Name: _____ Date: _____

Fresh Math

Comparing and Ordering Real Numbers - Medium

Compare the two numbers. Write <, >, or =.

1. $\frac{17}{6}$, 2.4

2. $2.\overline{7}$, $\sqrt{5}$

3. $\sqrt{21}$, $4.\overline{8}$

4. $\sqrt{62}$, 7.6

5. $\sqrt{22}$, $\sqrt{17}$

6. $\sqrt{3}$, 1.77

7. $0.\overline{2}$, $\frac{2}{9}$

8. 2.21, $\sqrt{7}$

9. $\sqrt{12}$, π

10. $\sqrt{40}$, 6.39

Name: _____ Date: _____

Fresh Math

Comparing and Ordering Real Numbers - Medium

Order the numbers from least to greatest.

11. $\sqrt{40}$, $6.\overline{4}$, 5.7, 6.52

12. $\frac{9}{2}$, $\sqrt{12}$, $\frac{32}{9}$, $\pi + 1$

13. $\sqrt{21}$, $3.\overline{5}$, π, $\pi + 1$

14. 4.43, $\frac{13}{4}$, $\sqrt{21}$, $3.\overline{9}$

15. 8.9, $\sqrt{71}$, $\sqrt{82}$, $\sqrt{85}$

16. $7.\overline{1}$, 6.4, $\sqrt{50}$, 6.54

17. $\sqrt{13}$, $\sqrt{20}$, $3.\overline{4}$, 4.1

18. $\sqrt{65}$, 8.9, $9.\overline{6}$, $\frac{19}{2}$

19. $\frac{4}{3}$, 1.24, $2.\overline{1}$, $\frac{\pi}{2}$

20. 9.5, $\frac{43}{5}$, $\sqrt{79}$, $\sqrt{75}$

Comparing and Ordering Real Numbers - Medium - Answer Key

1. $\frac{17}{6}$, 2.4

   $\frac{17}{6} > 2.4$

2. $2.\overline{7}$, $\sqrt{5}$

   $2.\overline{7} > \sqrt{5}$

3. $\sqrt{21}$, $4.\overline{8}$

   $\sqrt{21} < 4.\overline{8}$

4. $\sqrt{62}$, 7.6

   $\sqrt{62} > 7.6$

5. $\sqrt{22}$, $\sqrt{17}$

   $\sqrt{22} > \sqrt{17}$

6. $\sqrt{3}$, 1.77

   $\sqrt{3} < 1.77$

7. $0.\overline{2}$, $\frac{2}{9}$

   $0.\overline{2} = \frac{2}{9}$

8. 2.21, $\sqrt{7}$

   $2.21 < \sqrt{7}$

9. $\sqrt{12}$, π

   $\sqrt{12} > \pi$

10. $\sqrt{40}$, 6.39

    $\sqrt{40} < 6.39$

Comparing and Ordering Real Numbers - Medium - Answer Key

11. $\sqrt{40}$, $6.\overline{4}$, 5.7, 6.52

$5.7,\ \sqrt{40},\ 6.\overline{4},\ 6.52$

12. $\frac{9}{2}$, $\sqrt{12}$, $\frac{32}{9}$, $\pi + 1$

$\sqrt{12},\ \frac{32}{9},\ \pi + 1,\ \frac{9}{2}$

13. $\sqrt{21}$, $3.\overline{5}$, π, $\pi + 1$

$\pi,\ 3.\overline{5},\ \pi + 1,\ \sqrt{21}$

14. 4.43, $\frac{13}{4}$, $\sqrt{21}$, $3.\overline{9}$

$\frac{13}{4},\ 3.\overline{9},\ 4.43,\ \sqrt{21}$

15. 8.9, $\sqrt{71}$, $\sqrt{82}$, $\sqrt{85}$

$\sqrt{71},\ 8.9,\ \sqrt{82},\ \sqrt{85}$

16. $7.\overline{1}$, 6.4, $\sqrt{50}$, 6.54

$6.4,\ 6.54,\ \sqrt{50},\ 7.\overline{1}$

17. $\sqrt{13}$, $\sqrt{20}$, $3.\overline{4}$, 4.1

$3.\overline{4},\ \sqrt{13},\ 4.1,\ \sqrt{20}$

18. $\sqrt{65}$, 8.9, $9.\overline{6}$, $\frac{19}{2}$

$\sqrt{65},\ 8.9,\ \frac{19}{2},\ 9.\overline{6}$

19. $\frac{4}{3}$, 1.24, $2.\overline{1}$, $\frac{\pi}{2}$

$1.24,\ \frac{4}{3},\ \frac{\pi}{2},\ 2.\overline{1}$

20. 9.5, $\frac{43}{5}$, $\sqrt{79}$, $\sqrt{75}$

$\frac{43}{5},\ \sqrt{75},\ \sqrt{79},\ 9.5$